

ESTIMATION OF THE ENERGY AND CAPACITY SAVINGS IN TEXAS
FROM APPLIANCE EFFICIENCY STANDARDS

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ABSTRACT

The purpose of this presentation will be to assess the technical potential for energy and capacity savings in Texas by the year 2006 by the statewide adoption of minimum appliance efficiency standards equivalent to those recently adopted by California and New York states.

New York recently estimated that full implementation of standards similar to those in California, coupled with recently enacted fluorescent lamp ballasts, would reduce their statewide demand for electricity by 1000 MW by the year 2003 or the need for two new power plants. Energy savings over the same period were estimated to save ratepayers \$1.7 billion in avoided electric power costs. The author will make preliminary estimates of the technical potential in Texas using California and New York as proxies.

The results will then be compared to the statewide forecast for electrical demand published by the Public Utility Commission. It must be emphasized that this will only be a preliminary estimate and will not use actual appliance saturation data which is beyond the scope of work and resources available for this presentation.